Refine Search

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L1 and parallel and pro$8 and baye$6	18

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L2

Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: Tuesday, July 12, 2005   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

END OF SEARCH HISTORY

Hit List

Your wildcard search against 10000 terms has yielded the results below.
Your result set for the last L# is incomplete.
The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs |

| Generate OACS |

Search Results - Record(s) 1 through 18 of 18 returned.

☐ 1.   Document ID: US 20030140020 A1

L2: Entry 1 of 18   File: PGPB   Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030140020
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030140020 A1

TITLE: Plausible <u>neural</u> network with supervised and unsupervised cluster analysis

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Yuan Yan	Woodbridge	VA	US	
Chen, Joseph	Woodbridge	VA	US	

US-CL-CURRENT: <u>706/15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2.   Document ID: US 20030105731 A1

L2: Entry 2 of 18   File: PGPB   Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030105731
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030105731 A1

TITLE: Methods for selecting, developing and improving diagnostic tests for pregnancy-related conditions

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lapointe, Jerome	Oakland	CA	US	
DeSieno, Duane D.	La Jolla	CA	US	

US-CL-CURRENT: <u>706/15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 3.   Document ID: US 20010023419 A1

L2: Entry 3 of 18   File: PGPB   Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023419
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010023419 A1

TITLE: METHOD FOR SELECTING MEDICAL AND BIOCHEMICAL DIAGNOSTIC TESTS USING <u>NEURAL</u>
NETWORK-RELATED APPLICATIONS

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
LAPOINTE, JEROME	OAKLAND	CA	US	
DESIENO, DUANE	LA JOLLA	CA	US	

US-CL-CURRENT: <u>706/15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 4.   Document ID: US 6894639 B1

L2: Entry 4 of 18   File: USPT   May 17, 2005

US-PAT-NO: 6894639
DOCUMENT-IDENTIFIER: US 6894639 B1

TITLE: Generalized hebbian learning for principal component analysis and automatic
target recognition, systems and method

DATE-ISSUED: May 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Katz; Alan Jerry	Dallas	TX		

US-CL-CURRENT: <u>342/90</u>; <u>342/159</u>, <u>342/175</u>, <u>342/195</u>, <u>342/27</u>, <u>342/89</u>, <u>706/15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 5.   Document ID: US 6763338 B2

L2: Entry 5 of 18   File: USPT   Jul 13, 2004

US-PAT-NO: 6763338
DOCUMENT-IDENTIFIER: US 6763338 B2

TITLE: Machine decisions based on preferential voting techniques

DATE-ISSUED: July 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kirshenbaum; Evan R.	Mountain View	CA		

US-CL-CURRENT: 706/12; 706/13, 706/15

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 6. Document ID: US 6757571 B1

L2: Entry 6 of 18   File: USPT   Jun 29, 2004

US-PAT-NO: 6757571
DOCUMENT-IDENTIFIER: US 6757571 B1

TITLE: System and process for bootstrap initialization of vision-based tracking systems

DATE-ISSUED: June 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Toyama; Kentaro	Redmond	WA		

US-CL-CURRENT: 700/47; 382/103, 382/104, 382/105, 700/28, 700/29, 700/30, 700/31, 706/15, 706/16, 706/20

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 7. Document ID: US 6708160 B1

L2: Entry 7 of 18   File: USPT   Mar 16, 2004

US-PAT-NO: 6708160
DOCUMENT-IDENTIFIER: US 6708160 B1

TITLE: Object nets

DATE-ISSUED: March 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Werbos; Paul J.	Arlington	VA	22203	

US-CL-CURRENT: <u>706/30</u>; <u>706/15</u>, <u>706/23</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐   8.   Document ID: US 6687685 B1

L2: Entry 8 of 18   File: USPT   Feb 3, 2004

US-PAT-NO: 6687685
DOCUMENT-IDENTIFIER: US 6687685 B1

TITLE: Automated medical decision making utilizing <u>bayesian</u> network knowledge domain modeling

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sadeghi; Sarmad	Houston	TX		
Barzi; Afsaneh	Houston	TX		
Zarrin-Khameh; Neda	Houston	TX		

US-CL-CURRENT: <u>706/15</u>; <u>600/300</u>, <u>706/45</u>, <u>706/924</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐   9.   Document ID: US 6678669 B2

L2: Entry 9 of 18   File: USPT   Jan 13, 2004

US-PAT-NO: 6678669
DOCUMENT-IDENTIFIER: US 6678669 B2

TITLE: Method for selecting medical and biochemical diagnostic tests using <u>neural</u> network-related applications

DATE-ISSUED: January 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lapointe; Jerome	Oakland	CA		
DeSieno; Duane	La Jolla	CA		

US-CL-CURRENT: <u>706/15</u>; <u>702/121</u>, <u>702/123</u>, <u>702/82</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐   10.   Document ID: US 6650779 B2

L2: Entry 10 of 18   File: USPT   Nov 18, 2003

US-PAT-NO: 6650779
DOCUMENT-IDENTIFIER: US 6650779 B2
** See image for <u>Certificate of Correction</u> **

TITLE: Method and apparatus for analyzing an image to detect and identify patterns

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Vachtesvanos; George J.	Marietta	GA		
Dorrity; Lewis J.	Marietta	GA		
Wang; Peng	Atlanta	GA		
Echauz; Javier	Mayaguez	PR		
Mufti; Muid	Rawalpindi Cantt			PK

US-CL-CURRENT: <u>382/228</u>; <u>348/88</u>, <u>348/92</u>, <u>382/195</u>, <u>382/218</u>, <u>706/15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐   11.   Document ID: US 6601049 B1

L2: Entry 11 of 18   File: USPT   Jul 29, 2003

US-PAT-NO: 6601049
DOCUMENT-IDENTIFIER: US 6601049 B1

TITLE: Self-adjusting multi-layer <u>neural</u> network architectures and methods therefor

DATE-ISSUED: July 29, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: <u>706/15</u>; <u>700/48</u>, <u>700/49</u>, <u>700/50</u>, <u>706/2</u>, <u>706/38</u>, <u>706/6</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐   12.   Document ID: US 6556977 B1

L2: Entry 12 of 18   File: USPT   Apr 29, 2003

US-PAT-NO: 6556977
DOCUMENT-IDENTIFIER: US 6556977 B1

TITLE: Methods for selecting, developing and improving diagnostic tests for pregnancy-related conditions

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lapointe; Jerome	Oakland	CA		
DeSieno; Duane D.	La Jolla	CA		

US-CL-CURRENT: <u>706</u>/<u>15</u>; <u>706</u>/<u>23</u>, <u>706</u>/<u>45</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

□   13.   Document ID: US 6553356 B1

L2: Entry 13 of 18   File: USPT   Apr 22, 2003

US-PAT-NO: 6553356
DOCUMENT-IDENTIFIER: US 6553356 B1

TITLE: Multi-view computer-assisted diagnosis

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Good; Walter F	Pittsburgh	PA		
Gur; David	Pittsburgh	PA		
Maitz; Glenn S.	Pittsburgh	PA		
Chang; Yuan-Hsiang	Pittsburgh	PA		
Zheng; Bin	Pittsburgh	PA		
Wang; Xiao Hui	Pittsburgh	PA		

US-CL-CURRENT: <u>706</u>/<u>15</u>; <u>382</u>/<u>156</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

□   14.   Document ID: US 6542878 B1

L2: Entry 14 of 18   File: USPT   Apr 1, 2003

US-PAT-NO: 6542878
DOCUMENT-IDENTIFIER: US 6542878 B1

TITLE: Determining whether a variable is numeric or non-numeric

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heckerman; David E.	Bellevue	WA		

Rounthwaite; Robert L.   Fall City   WA
Bernhardt; Jeffrey R.   Woodinville   WA

US-CL-CURRENT: <u>706</u>/<u>20</u>; <u>706</u>/<u>15</u>, <u>706</u>/<u>18</u>, <u>707</u>/<u>4</u>, <u>707</u>/<u>6</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

☐ 15.   Document ID: US 6490571 B1

L2: Entry 15 of 18   File: USPT   Dec 3, 2002

US-PAT-NO: 6490571
DOCUMENT-IDENTIFIER: US 6490571 B1

TITLE: Method and apparatus for <u>neural</u> networking using semantic attractor
architecture

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: <u>706</u>/<u>15</u>; <u>342</u>/<u>90</u>, <u>365</u>/<u>49</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

☐ 16.   Document ID: US 6304864 B1

L2: Entry 16 of 18   File: USPT   Oct 16, 2001

US-PAT-NO: 6304864
DOCUMENT-IDENTIFIER: US 6304864 B1

TITLE: System for retrieving multimedia information from the internet using
multiple evolving intelligent agents

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Liddy; Elizabeth D.	Syracuse	NY		
Yu; Edmund Szu-Li	Dewitt	NY		

US-CL-CURRENT: <u>706</u>/<u>15</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

☐ 17.   Document ID: US 6278799 B1

L2: Entry 17 of 18   File: USPT   Aug 21, 2001

US-PAT-NO: 6278799
DOCUMENT-IDENTIFIER: US 6278799 B1

TITLE: Hierarchical data matrix pattern recognition system

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoffman; Efrem H.	Winnipeg, Manitoba			CA

US-CL-CURRENT: 382/159; 382/155, 382/156, 382/157, 706/15, 706/20

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 18.   Document ID: US 6009418 A

L2: Entry 18 of 18   File: USPT   Dec 28, 1999

US-PAT-NO: 6009418
DOCUMENT-IDENTIFIER: US 6009418 A

TITLE: Method and apparatus for neural networking using semantic attractor architecture

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David L.	Fairfax	VA	22033	

US-CL-CURRENT: 706/15; 706/16, 706/25, 706/26, 706/27

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |

Terms	Documents
L1 and parallel and pro$8 and baye$6	18

Display Format: |- ⬚ Change Format

Previous Page   Next Page   Go to Doc#

Record List Display

Refine Search

Search Results -

Terms	Documents
L3 and neur$4	20

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:
L4

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Tuesday, July 12, 2005   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR		
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 20 of 20 returned.

☐ 1. Document ID: US 20050090908 A1

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L4: Entry 1 of 20                    File: PGPB                    Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, parallel processing with neural networks

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:
NAME                           CITY        STATE     COUNTRY     RULE-47
Tamura, Raymond M.             Honolulu    HI        US

US-CL-CURRENT: 700/4; 700/2, 700/3, 700/82
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |

☐ 2. Document ID: US 20040203014 A1

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L4: Entry 2 of 20                    File: PGPB                    Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203014
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040203014 A1

TITLE: Neurotransmisson-associated proteins

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:
NAME                           CITY              STATE     COUNTRY     RULE-47
Honchell, Cynthia D.           San Francisco     CA        US
Warren, Bridget A.            San Marcos        CA        US
Borowsky, Mark L.             Needham           MA        US
Griffin, Jennifer A.          Fremont           CA        US
Li, Joana X.                  Millbrae          CA        US
Lee, Soo Yeun                 Mountain View     CA        US
Yue, Henry                    Sunnyvale         CA        US
Forsythe, Ian J.              Edmonton          CA        CA
```

Marquis, Joseph P.   San Jose   CA   US
Gietzen, Kimberly J.   San Jose   CA   US
Baughn, Mariah R.   Los Angeles   CA   US
Tran, Uyen K.   San Jose   CA   US
Lehr-Mason, Patricia M.   Morgan Hill   CA   US
Tang, Y. Tom   San Jose   CA   US
Ramkumar, Jayalaxmi   Fremont   IL   US
Emerling, Brooke M.   Chicago   CA   US
Lee, Ernestine A.   Kensington   CA   US
Elliott, Vicki S.   San Jose   CA   US
Hafalia, April J.A.   Daly City   CA   US
Duggan, Brendan M.   Sunnyvale   CA   US
Chawla, Narinder K.   Union City   MD   US
Kable, Amy E.   Silver Spring   CA   US
Chang, Hsin-Ru   Belmont   CA   US
Khare, Reena   Saratoga   CA   US
Becha, Shanya D.   San Francisco   CA   US
Jin, Pei   Palo Alto   CA   US
Lee, Sally   San Jose   US

US-CL-CURRENT: <u>435</u>/<u>6</u>; <u>435</u>/<u>320.1</u>, <u>435</u>/<u>325</u>, <u>435</u>/<u>69.1</u>, <u>530</u>/<u>350</u>, <u>536</u>/<u>23.5</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Da |

□ 3. Document ID: US 20040115687 A1

L4: Entry 3 of 20   File: PGPB   Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115687
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040115687 A1

TITLE: Cell adhesion and extracellular matrix proteins

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yue, Henry	Sunnyvale	CA	US	
Lee, Ernestine A	Kensington	CA	US	
Duggan, Brendan M	Sunnyvale	CA	US	
Thangavelu, Kavitha	Sunnyvale	CA	US	
Honchell, Cynthia D	San Carlos	CA	US	
Ding, Li	Creve Coeur	MI	US	
Jackson, Jennifer L	Santa Cruz	CA	US	
Baughn, Mariah R	Los Angeles	CA	US	
Kallick, Deborah A	Galveston	TX	US	
Lee, Sally	San Jose	CA	US	

Warren, Bridget A	San Marcos	CA	US
Xu, Yuming	Mountain View	CA	US
Tran, Uyen K	San Jose	CA	US
Lal, Preeti G	Santa Clara	CA	US
Thornton, Michael B	Oakland	CA	US
Hafalia, April J A	Daly City	CA	US
Yao, Monique G	Mountain View	CA	US
Nguyen, Danniel B	San Jose	CA	US
Gandhi, Ameena R	San Francisco	CA	US
Khan, Farrah A	Des Plaines	IL	US
Chawla, Narinder K	Union City	CA	US
Griffin, Jennifer A	Fremont	CA	US
Chinn, Anna M	Sunnyvale	CA	US
Elliott, Vicki S	San Jose	CA	US
Ramkumar, Jayalaxmi	Fremont	CA	US
Arvizu, Chandra S	San Diego	CA	US
Forsythe, Ian J	Edmonton	CA	US

US-CL-CURRENT: <u>435</u>/<u>6</u>; <u>435</u>/<u>320.1</u>, <u>435</u>/<u>325</u>, <u>435</u>/<u>69.1</u>, <u>530</u>/<u>350</u>, <u>536</u>/<u>23.5</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   4.   Document ID: US 20040106211 A1

L4: Entry 4 of 20   File: PGPB   Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106211
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040106211 A1

TITLE: Intelligent electro-optical sensor array and method for analyte detection

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kauer, John S.	Weston	MA	US	
White, Joel E.	Millis	MA	US	

US-CL-CURRENT: <u>436</u>/<u>169</u>; <u>422</u>/<u>58</u>, <u>422</u>/<u>82.05</u>, <u>422</u>/<u>82.08</u>, <u>436</u>/<u>172</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   5.   Document ID: US 20040106125 A1

L4: Entry 5 of 20   File: PGPB   Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106125
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040106125 A1

TITLE: Neurotransmission-associated proteins

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Duggan, Brendan M	Sunnyvale	CA	US	
Honchell, Cynthia D	San Carlos	CA	US	
Ison, Craig H	San Jose	CA	US	
Thangavelu, Kavitha	Sunnyvale	CA	US	
Lu, Dyung Aina M	San Jose	CA	US	
Baughn, Mariah R	Los Angeles	CA	US	
Lal, Preeti G	Santa Clara	CA	US	
Yue, Henry	Sunnyvale	CA	US	
Tang, Y Tom	San Jose	CA	US	
Warren, Bridget A	San Marcos	CA	US	
Lee, Ernestine A	Castro Valley	CA	US	
Griffin, Jennifer A	Fremont	CA	US	
Forsythe, Ian J	Edmonton	CA	CA	
Chawla, Narinder K	Union City	CA	US	
Jiang, Xin	Saratoga	CA	US	
Jackson, Alan A	Los Gatos		US	

US-CL-CURRENT: 435/6; 424/143.1, 435/320.1, 435/325, 435/69.1, 530/350, 530/388.22

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

6. Document ID: US 20040101851 A1

L4: Entry 6 of 20   File: PGPB   May 27, 2004

PGPUB-DOCUMENT-NUMBER: 20040101851
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040101851 A1

TITLE: Intelligent electro-optical nucleic acid-based sensor array and method for detecting volatile compounds in ambient air

PUBLICATION-DATE: May 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
White, Joel E.	Millis	MA	US	
Kauer, John S.	Weston	MA	US	

US-CL-CURRENT: 435/6

☐ 7. Document ID: US 20030017483 A1

L4: Entry 7 of 20   File: PGPB   Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030017483
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030017483 A1

TITLE: Modulation of molecular interaction sites on RNA and other biomolecules.

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ecker, David J.	Encinitas	CA	US	
Griffey, Richard	Vista	CA	US	
Crooke, Stanley T.	Carlsbad	CA	US	
Sampath, Ranga	San Diego	CA	US	
Swayze, Eric	Carlsbad	CA	US	
Mohan, Venkatraman	Carlsbad	CA	US	
Hofstadler, Steven	Oceanside	CA	US	

US-CL-CURRENT: 435/6; 702/20, 703/11

☐ 8. Document ID: US 20020069220 A1

L4: Entry 8 of 20   File: PGPB   Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069220
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020069220 A1

TITLE: REMOTE DATA ACCESS AND MANAGEMENT SYSTEM UTILIZING HANDWRITING INPUT

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tran, Bao Q.	San Jose	CA	US	

US-CL-CURRENT: 715/503

☐ 9. Document ID: US 20010039275 A1

L4: Entry 9 of 20   File: PGPB   Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010039275
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010039275 A1

TITLE: Use of 2,4-diaminothiazole derivatives

PUBLICATION-DATE: November 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bowler, Andrew Neil	Vaerlose		DK	
Olesen, Preben Houlberg	Kobenhavn NV		DK	
Sorensen, Anders Robert	Herlev		DK	
Hansen, Bo Falck	Virum		DK	
Worsaae, Helle	Gentofte		DK	
Kurtzhals, Peter	Taastrup		DK	

US-CL-CURRENT: 514/235.5; 514/252.05, 514/255.05, 514/256, 514/257, 514/340, 514/370, 544/133, 544/238, 544/333, 544/405 , 546/270.7, 548/191

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 10. Document ID: US 6649416 B1

L4: Entry 10 of 20   File: USPT   Nov 18, 2003

US-PAT-NO: 6649416
DOCUMENT-IDENTIFIER: US 6649416 B1

TITLE: Intelligent electro-optical sensor array and method for analyte detection

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kauer; John S.	Weston	MA		
White; Joel E.	Millis	MA		

US-CL-CURRENT: 436/164; 422/82.06, 422/82.08

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 11. Document ID: US 6202060 B1

L4: Entry 11 of 20   File: USPT   Mar 13, 2001

US-PAT-NO: 6202060
DOCUMENT-IDENTIFIER: US 6202060 B1

TITLE: Data management system

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran; Bao Q.	Houston	TX	77099	

US-CL-CURRENT: 707/3; 707/104.1

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | Claims | KWIC | Draw De |

☐ 12. Document ID: US 6157935 A

L4: Entry 12 of 20   File: USPT   Dec 5, 2000

US-PAT-NO: 6157935
DOCUMENT-IDENTIFIER: US 6157935 A

TITLE: Remote data access and management system

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tran; Bao Q.	Houston	TX	77099	
Anthony; Craig A.	League City	TX	77573	

US-CL-CURRENT: 715/503; 382/187

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | Claims | KWIC | Draw De |

☐ 13. Document ID: US 5598209 A

L4: Entry 13 of 20   File: USPT   Jan 28, 1997

US-PAT-NO: 5598209
DOCUMENT-IDENTIFIER: US 5598209 A

TITLE: Method for automatically adjusting a video conferencing system camera

DATE-ISSUED: January 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Mays; Richard C.	Atlanta	GA		

Smith; Curtis M.   Lawrenceville   GA

US-CL-CURRENT: <u>348</u>/<u>211.12</u>; <u>348</u>/<u>14.05</u>, <u>348</u>/<u>14.1</u>, <u>348</u>/<u>211.7</u>, <u>348</u>/<u>211.8</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

□ 14.   Document ID: US 5589878 A

L4: Entry 14 of 20   File: USPT   Dec 31, 1996

US-PAT-NO: 5589878
DOCUMENT-IDENTIFIER: US 5589878 A

TITLE: Method of determining an error in a video conferencing system camera

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: <u>348</u>/<u>211.12</u>; <u>348</u>/<u>14.1</u>, <u>348</u>/<u>211.7</u>, <u>348</u>/<u>211.8</u>, <u>348</u>/<u>734</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

□ 15.   Document ID: US 5583565 A

L4: Entry 15 of 20   File: USPT   Dec 10, 1996

US-PAT-NO: 5583565
DOCUMENT-IDENTIFIER: US 5583565 A

TITLE: Method for automatically adjusting the pan and tilt of a video conferencing system camera

DATE-ISSUED: December 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: <u>348</u>/<u>14.1</u>; <u>348</u>/<u>211.9</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | KWIC | Draw D |

☐ 16.   Document ID: US 5568183 A

L4: Entry 16 of 20   File: USPT   Oct 22, 1996

US-PAT-NO: 5568183
DOCUMENT-IDENTIFIER: US 5568183 A

TITLE: Network videoconferencing system

DATE-ISSUED: October 22, 1996

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Cortjens; Leo M.   Norcross   GA
Franklin; Kenneth A.   Lawrenceville   GA
Mays; Richard C.   Atlanta   GA
Smith; Curtis M.   Lawrenceville   GA

US-CL-CURRENT: 348/14.1; 348/14.05, 348/14.08, 348/211.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 17.   Document ID: US 5528289 A

L4: Entry 17 of 20   File: USPT   Jun 18, 1996

US-PAT-NO: 5528289
DOCUMENT-IDENTIFIER: US 5528289 A

TITLE: Method for automatically adjusting a videoconferencing system camera to
center an object

DATE-ISSUED: June 18, 1996

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Cortjens; Leo M.   Norcross   GA
Mays; Richard C.   Atlanta   GA
Smith; Curtis M.   Lawrenceville   GA

US-CL-CURRENT: 348/211.9; 348/14.05, 348/14.1, 348/211.12, 348/211.7, 348/211.8

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

☐ 18.   Document ID: US 5526037 A

L4: Entry 18 of 20   File: USPT   Jun 11, 1996

US-PAT-NO: 5526037
DOCUMENT-IDENTIFIER: US 5526037 A

TITLE: Method for remotely controlling a peripheral device in a videoconferencing
system

DATE-ISSUED: June 11, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/14.04, 375/220, 375/257, 710/11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

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19.   Document ID: US 5515099 A

L4: Entry 19 of 20   File: USPT   May 7, 1996

US-PAT-NO: 5515099
DOCUMENT-IDENTIFIER: US 5515099 A

TITLE: Video conferencing system controlled by menu and pointer

DATE-ISSUED: May 7, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cortjens; Leo M.	Norcross	GA		
Franklin; Kenneth A.	Lawrenceville	GA		
Mays; Richard C.	Atlanta	GA		
Smith; Curtis M.	Lawrenceville	GA		

US-CL-CURRENT: 348/14.1; 348/14.03, 348/211.4

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

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20.   Document ID: US 20050090908 A1, WO 2005017647 A2

L4: Entry 20 of 20   File: DWPI   Apr 28, 2005

DERWENT-ACC-NO: 2005-196126
DERWENT-WEEK: 200529
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TITLE: Parallel processing method in neural network system, involves transferring
manipulated data from secondary chips to central processor, and processing by

manipulating data using Brownian motion equations and matrices or Bayes'equation

INVENTOR: TAMURA, R M

PRIORITY-DATA: 2003US-0602627 (June 25, 2003), 2003US-462323P (April 14, 2003), 2002US-462323P (November 14, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20050090908 A1	April 28, 2005		000	G05B019/18
WO 2005017647 A2	February 24, 2005	E	026	G06F000/00

INT-CL (IPC): G05 B 9/02; G05 B 19/18; G06 E 1/00; G06 E 3/00; G06 F 0/00; G06 F 15/18; G06 G 7/00; G06 N 3/02

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

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Terms	Documents
L3 and neur$4	20

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Search Results -

Terms	Documents
L5 and parallel and pro$8 and baye$6	1

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EPO Abstracts Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L6

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L6	L5 and parallel and pro$8 and baye$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20050090908 A1

L6: Entry 1 of 1   File: PGPB   Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, <u>parallel</u> processing with neural networks

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Tamura, Raymond M.	Honolulu	HI	US	

US-CL-CURRENT: 700/<u>4</u>; 700/<u>2</u>, 700/<u>3</u>, 700/<u>82</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS

Terms	Documents
L5 and parallel and pro$8 and baye$6	1

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Search Results -

Terms	Documents
L7 and language near translator	0

Database:

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Search:

L8

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Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L8	L7 and language near translator	0	L8
L7	parallel near pro$8 and baye$6	211	L7
L6	L5 and parallel and pro$8 and baye$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L7 and software near translator	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
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Search: L9

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Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L9	L7 and software near translator	0	L9
L8	L7 and language near translator	0	L8
L7	parallel near pro$8 and baye$6	211	L7
L6	L5 and parallel and pro$8 and baye$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L13 and neur&5 and parallel near pro$8	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
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Search:

L14

Refine Search

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Search History

DATE: Tuesday, July 12, 2005   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L14	L13 and neur&5 and parallel near pro$8	0	L14
L13	706/26-27.ccls.	305	L13
L12	software near converter	218	L12
L11	L10 and parallel near pro$8 and baye$6	0	L11
L10	software near convert	623	L10
L9	L7 and software near translator	0	L9
L8	L7 and language near translator	0	L8
L7	parallel near pro$8 and baye$6	211	L7
L6	L5 and parallel and pro$8 and baye$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2
L1	706/15.ccls. and neur$4	292	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
Brownian near motion near equations	7

Database:
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Search History

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L15	Brownian near motion near equations	7	L15
L14	L13 and neur&5 and parallel near pro$8	0	L14
L13	706/26-27.ccls.	305	L13
L12	software near converter	218	L12
L11	L10 and parallel near pro$8 and baye$6	0	L11
L10	software near convert	623	L10
L9	L7 and software near translator	0	L9
L8	L7 and language near translator	0	L8
L7	parallel near pro$8 and baye$6	211	L7
L6	L5 and parallel and pro$8 and baye$6	1	L6
L5	700/4.ccls.	713	L5
L4	L3 and neur$4	20	L4
L3	software near converter	218	L3
L2	L1 and parallel and pro$8 and baye$6	18	L2

L1   706/15.ccls. and neur$4   292   L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20050119534 A1

L15: Entry 1 of 7   File: PGPB   Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050119534
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050119534 A1

TITLE: Method for predicting the onset or change of a medical condition

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Trost, Donald Craig	East Lyme	CT	US	
Freston, James W.	Avon	CT	US	
Ostroff, Jack	Groton	CT	US	

US-CL-CURRENT: 600/300; 128/920, 702/19

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 2. Document ID: US 20050103104 A1

L15: Entry 2 of 7   File: PGPB   May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050103104
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050103104 A1

TITLE: SYSTEM AND METHOD FOR DEMONSTRATING AND INVESTIGATING BROWNIAN MOTION
EFFECTS ON A DIAMAGNETICALLY SUSPENDED PARTICLE

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Berstis, Viktors	Austin	TX	US	

US-CL-CURRENT: 73/382R

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 3.   Document ID: US 20050090908 A1

L15: Entry 3 of 7   File: PGPB   Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050090908
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050090908 A1

TITLE: Software engine for multiple, parallel processing with neural networks

PUBLICATION-DATE: April 28, 2005

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY	RULE-47
Tamura, Raymond M.	Honolulu	HI	US	

US-CL-CURRENT: 700/4; 700/2, 700/3, 700/82

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 4.   Document ID: US 20030110148 A1

L15: Entry 4 of 7   File: PGPB   Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030110148
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030110148 A1

TITLE: Intelligent mechatronic control suspension system based on soft computing

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY	RULE-47
Ulyanov, Sergei V.	Crema		IT	
Panfilov, Sergei	Crema		IT	
Kurawaki, Ichiro	Iwata		JP	
Hagiwira, Takahide	Iwata		JP	

US-CL-CURRENT: 706/2; 706/15

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 5.   Document ID: US 6701236 B2

L15: Entry 5 of 7   File: USPT   Mar 2, 2004

US-PAT-NO: 6701236
DOCUMENT-IDENTIFIER: US 6701236 B2

TITLE: Intelligent mechatronic control suspension system based on soft computing

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ulyanov; Sergei V.	Crema			IT
Panfilov; Sergei	Crema			IT
Kurawaki; Ichiro	Shizuoka			JP
Hagiwira; Takahide	Shizuoka			JP

US-CL-CURRENT: 701/40; 280/5.504, 703/1, 703/2, 703/6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 6. Document ID: US 5581349 A

L15: Entry 6 of 7   File: USPT   Dec 3, 1996

US-PAT-NO: 5581349
DOCUMENT-IDENTIFIER: US 5581349 A

TITLE: Method for biological cell and particulate analysis

DATE-ISSUED: December 3, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Halaka; Folim G.	Waukegan	IL	60085	

US-CL-CURRENT: 356/336; 250/222.2, 250/574, 356/244, 356/338, 356/440

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 7. Document ID: US 20050090908 A1, WO 2005017647 A2

L15: Entry 7 of 7   File: DWPI   Apr 28, 2005

DERWENT-ACC-NO: 2005-196126
DERWENT-WEEK: 200529
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TITLE: Parallel processing method in neural network system, involves transferring
manipulated data from secondary chips to central processor, and processing by
manipulating data using Brownian motion equations and matrices or Bayes'equation

INVENTOR: TAMURA, R M

PRIORITY-DATA: 2003US-0602627 (June 25, 2003), 2003US-462323P (April 14, 2003),
2002US-462323P (November 14, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20050090908 A1	April 28, 2005		000	G05B019/18
WO 2005017647 A2	February 24, 2005	E	026	G06F000/00

INT-CL (IPC): G05 B 9/02; G05 B 19/18; G06 E 1/00; G06 E 3/00; G06 F 0/00; G06 F 15/18; G06 G 7/00; G06 N 3/02

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw De |

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Terms	Documents
Brownian near motion near equations	7

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   (Citations of Defense Technical Information Center scientific and technical documents)
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> *(journals and proceedings on optics and photonics)*

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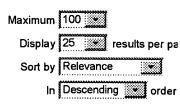
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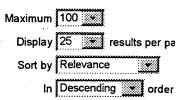
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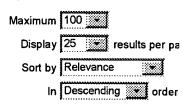
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       Myllymaki, P.;
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       Abdelbar, A.M.; Hedetniemi, S.M.;
       Neural Networks,1997., International Conference on
       Volume 1, 9-12 June 1997 Page(s):450 - 455 vol.1
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       MacDonald, D.; Isenman, J.; Roman, J.;
       Aerospace and Electronics Conference, 1997. NAECON 1997., Proceedings of the IEE
       Volume 2, 14-17 July 1997 Page(s):846 - 855 vol.2

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Computer Science Society, 1999. Proceedings. SCCC '99. XIX International Conferenc
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Schuller, B.; Zobl, M.; Rigoll, G.; Lang, M.;
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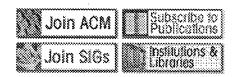
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1 A first undergraduate course in neural networks   ◼
Adel M. Abunawass, Omar Bukhres, Theresia G. Fisher, Kenneth Magel
February 1990 **ACM SIGCSE Bulletin , Proceedings of the twenty-first SIGCSE technical symposium on Computer science education**, Volume 22 Issue 1
Full text available: 🗎 pdf(539.33 KB)   Additional Information: full citation, references, index terms

2 Critical issues in mapping neural networks on message-passing multicomputers   ▦
J. Ghosh, K. Hwang
May 1988 **ACM SIGARCH Computer Architecture News , Proceedings of the 15th Annual International Symposium on Computer architecture**, Volume 16 Issue 2
Full text available: 🗎 pdf(1.05 MB)   Additional Information: full citation, abstract, references, index terms

Connectionist models such as artificial neural systems, offer an intrinsically concurrent computational paradigm. We investigate the architectural requirements for efficiently simulating large neural networks on a multicomputer system with thousands of fine-grained processors and distributed memory. First, models for characterizing the structure of a neural network and the function of individual cells are developed. These models provide guidelines for efficiently mapping the network onto mu ...

3 Spacial classification and multi-spectral fusion with neural networks   ▦
Craig Harston
May 1991 **Proceedings of the conference on Analysis of neural network applications**
Full text available: 🗎 pdf(546.63 KB) Additional Information: full citation, references, index terms

4 Ariel: a scalable multiprocessor for the simulation of neural networks   ▦
Gary Frazier
March 1990 **ACM SIGARCH Computer Architecture News**, Volume 18 Issue 1
Full text available: 🗎 pdf(729.87 KB)   Additional Information: full citation, abstract, index terms

Ariel is a multiprocessor architecture that we are developing to simulate neural networks and other models of distributed computation. The design is based upon a hierarchical network of coarse-grained processing modules. The module hardware uses fast digital signal processors and very large semiconductor memories to provide the throughput and storage capacity required to simulate large networks. Our objective is to provide a system

that can be scaled up to simulate neural networks compose ...

5 <u>Real time application of artificial neural network for incipient fault detection of induction</u> ■
<u>machines</u>
Mo-yuen Chow, Sui Oi Yee
June 1990 **Proceedings of the third international conference on Industrial and**
engineering applications of artificial intelligence and expert systems -
Volume 2
Full text available: <u>pdf(751.83 KB)</u>   Additional Information: <u>full citation, abstract, references, index terms</u>

This paper describes several artificial neural network architectures for real time application
in incipient fault detection of induction machines. The artificial neural networks perform the
fault detection in real time, based on direct measurements from the motor, and no rigorous
mathematical model of the motor is needed. Different approaches used to develop a reliable
fault detector are presented and compared in this paper. The designed networks vary in
complexity and accuracy. A high-orde ...

6 <u>High speed neural network chip for trigger purposes in high energy physics</u> ■
W. Eppler, T. Fischer, H. Gemmeke, A. Menchikov
February 1998 **Proceedings of the conference on Design, automation and test in Europe**

Full text available: <u>pdf(116.42 KB)</u>
<u>Publisher Site</u>   Additional Information: <u>full citation, abstract, references, index terms</u>

A novel neural chip SAND (Simple Applicable Neural Device) is described. It is highly usable
for hardware triggers in particle physics. The chip is optimized for a high input data rate (50
MHz, 16 bit data) at a very low cost basis. The performance of a single SAND chip is 200
MOPS due to four parallel 16 bit multipliers and 40 bit adders working in one clock cycle.
The chip is able to implement feedforward neural networks with a maximum of 512 input
neurons and three hidden layers. Kohonen feat ...

Keywords: VME board with neural network chip SAND, Hardware accelerator for neural
networks, High energy physics : trigger, on- and off-line analysis

7 <u>Parallel construction of minimal perfect hashing functions with neural networks</u> ■
Jin Wang
March 1993 **Proceedings of the 1993 ACM conference on Computer science**
Full text available: <u>pdf(672.98 KB)</u>   Additional Information: <u>full citation, abstract, references, index terms</u>
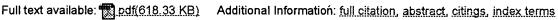
The seeking of minimal perfect hashing functions (MPHF) has a long history and
conventional construction methods are sequential algorithms. To parallelize the MPHF
construction, a new method using neural networks is proposed in this paper. It constructs a
MPHF by training a massive array of neural nets, and the training tasks can be carried out
simultaneously. As the total MPHF construction time is proportional to the key set size, the
new method can be applied to build MPHFs for large key ...

8 <u>An integrated system for neural network simulations</u> ■
Simon Garth, Danny Pike
March 1988 **ACM SIGARCH Computer Architecture News**, Volume 16 Issue 1
Full text available: <u>pdf(618.33 KB)</u>   Additional Information: <u>full citation, abstract, citings, index terms</u>

A specialist MIMD parallel processing computer has been constructed for high speed
simulation of neural network systems. Custom-designed integrated circuits have been
combined with conventional microprocessors to give a machine which is highly tuned for
neural network computations but which runs a wide range of commercial software
packages. In addition, an operating system is presented which assists in the partitioning of

problems and allows code which has been developed remotely to be run in pa ...

9 Decision points in the introduction of parallel processing into the undergraduate
curriculum
William E. Toll
March 1995 **ACM SIGCSE Bulletin , Proceedings of the twenty-sixth SIGCSE technical
symposium on Computer science education,** Volume 27 Issue 1
Full text available: pdf(517.92 KB)　　Additional Information: full citation, references, citings, index terms

10 Neural networks
Michael I. Jordan, Christopher M. Bishop
March 1996 **ACM Computing Surveys (CSUR),** Volume 28 Issue 1

Full text available: pdf(126.76 KB)　　Additional Information: full citation, references, index terms

11 Conference report: IEEE 1'st Int'l conference on neural networks
A. Jean Maren
March 1988 **ACM SIGARCH Computer Architecture News,** Volume 16 Issue 1

Full text available: pdf(197.93 KB)　　Additional Information: full citation, index terms

12 Optimal path analysis using a predator-prey neural network model
Scott M. Huse
June 1990 **Proceedings of the third international conference on Industrial and
engineering applications of artificial intelligence and expert systems -
Volume 2**
Full text available: pdf(3.49 MB)　　Additional Information: full citation, abstract, references, index terms

> A neural network research effort is currently underway at Rome Air Development Center,
> the Intelligence and Reconnaissance Division (RADC/IR). Griffiss Air Force Base. The
> purpose of this research is to solve computationally difficult intelligence exploitation
> problems that have eluded conventional techniques, e.g., target recognition, battlefield
> multi-sensor correlation and fusion, and intelligence situation assessment. This paper
> describes the use of a predator-prey neural net ...

13 Biologically based machine learning paradigms: an introductory course
Adel M. Abunawass
March 1992 **ACM SIGCSE Bulletin , Proceedings of the twenty-third SIGCSE technical
symposium on Computer science education,** Volume 24 Issue 1
Full text available: pdf(494.24 KB)　　Additional Information: full citation, abstract, references, citings, index
terms

> This paper describes an introductory course on biologically based sub-symbolic machine
> learning paradigms. Specifically, this paper covers Artificial Neural Networks, Genetic
> Algorithms and Genetics-Based Machine Learning. It provides the structure, motivation,
> content, texts and tools for the course. This course is suitable for an upper division
> undergraduate level course or as an introductory graduate course. The paper includes a
> section on bibliographical references to aid the instructor ...

14 A comparative study of neural network algorithms applied to optical character
recognition
P. Patrick van der Smagt

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available: pdf(1.15 MB) Additional Information: full citation, abstract, references, index terms

Three simple general purpose networks are tested for pattern classification on an optical character recognition problem. The feed-forward (multi-layer perceptron) network, the Hopfield network and a competitive learning network are compared. The input patterns are obtained by optically scanning images of printed digits and uppercase letters. The resulting data is used as input for the networks with two-state input nodes; for others, features are extracted by template matching and pi ...

15 Neural networks and artificial intelligence

N. E. Sondak, V. K. Sondak

February 1989 **ACM SIGCSE Bulletin , Proceedings of the twentieth SIGCSE technical symposium on Computer science education**, Volume 21 Issue 1

Full text available: pdf(483.88 KB) Additional Information: full citation, abstract, references, citings, index terms

Neural networks have been called "more important than the atomic bomb" and have received a major funding commitment from DARPA. Nevertheless, it is difficult to find even a mention of neural network concepts and applications in many computer science or information systems curricula. In fact, few computer science or information systems faculty are aware of the profound implications of neurocomputing on the future of their field. This paper contends that neural networks must be a ...

16 Stuttgart Neural Network Simulator: Exploring connectionism and machine learning with SNNS

Ed Petron

July 1999 **Linux Journal**

Full text available: html(15.83 KB) Additional Information: full citation, references, citings, index terms

17 Analysing MEG-data by a combination of different neural networks

M. Borschbach, W.-M. Lippe, C. Mertens, S. Niendieck

January 2003 **Proceedings of the First Asia-Pacific bioinformatics conference on Bioinformatics 2003 - Volume 19 CRPITS '03**

Full text available: pdf(9.85 MB) Additional Information: full citation, abstract, references, index terms

The localization of intracerebral dipole sources for detecting pathological events is one object of magnetoencephalography (MEG). Another one is the analysis of brain processing and brain structures. We present a system consisting of two different types of Artificial Neural Networks. One for the separation of temporally overlapping sources and the other one for the determination of the different magnetic dipoles.1

Keywords: ICA, MEG, neural networks

18 A constructive algorithm for neural networks that generalize

Alvin Surkan, Colin Campbell

January 1998 **ACM SIGAPL APL Quote Quad , Proceedings of the conference on Share knowledge share success**, Volume 28 Issue 4

Full text available: pdf(650.04 KB) Additional Information: full citation, abstract, index terms

APL functions were designed to describe a constructive algorithm that synthesizes a neural network while optimizing its ability to generalize. Algorithms are implemented in programs

to discover networks of binary weights that assign unfamiliar, high-dimension binary patterns to their most similar classes. Constructive algorithms that create networks are important for the design of classifiers based on array-processors made from fast two-level circuits. APL is an effective tool for the exposition ...

19 <u>Networks and distributed systems: Distributed scientific computing in Java: observations and recommendations</u>

Humphrey Sheil

June 2003 **Proceedings of the 2nd international conference on Principles and practice of programming in Java PPPJ '03**

Full text available: <u>pdf(81.22 KB)</u>   Additional Information: <u>full citation, abstract, references, index terms</u>

The search for techniques to process growing mountains of data efficiently continues apace, nowhere more so than in the field of bioinformatics. Distributed processing represents a practical solution to the search for more powerful architectures that can harness the power of multiple machines to solve a given problem.However this approach brings with it associated problems - selecting the most appropriate language to use in developing the software, development platform and system architecture.Th ...

Keywords: Java, Javaspaces, artificial neural networks, bioinformatics, distributed computing, jini, parallel programming

20 <u>Neural networks: a new dimension in expert systems applications</u>

Mohammed H. A. Tafti

September 1990 **Proceedings of the 1990 ACM SIGBDP conference on Trends and directions in expert systems**

Full text available: <u>pdf(922.59 KB)</u>   Additional Information: <u>full citation, references, index terms</u>

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1 Neural networks   ■
Michael I. Jordan, Christopher M. Bishop
March 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 1

Full text available: 📄 pdf(126.76 KB)   Additional Information: full citation, references, index terms

2 A survey of data mining and knowledge discovery software tools   ▦
Michael Goebel, Le Gruenwald
June 1999 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 1

Full text available: 📄 pdf(1.28 MB)   Additional Information: full citation, abstract, references

Knowledge discovery in databases is a rapidly growing field, whose development is driven
by strong research interests as well as urgent practical, social, and economical needs. While
the last few years knowledge discovery tools have been used mainly in research
environments, sophisticated software products are now rapidly emerging. In this paper, we
provide an overview of common knowledge discovery tasks and approaches to solve these
tasks. We propose a feature classification scheme that can be ...

Keywords: data mining, knowledge discovery in databases, surveys

3 Evidence-based static branch prediction using machine learning   ▦
Brad Calder, Dirk Grunwald, Michael Jones, Donald Lindsay, James Martin, Michael Mozer,
Benjamin Zorn
January 1997 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 19 Issue 1

Full text available: 📄 pdf(515.50 KB)   Additional Information: full citation, abstract, references, citings, index terms

Correctly predicting the direction that branches will take is increasingly important in today's
wide-issue computer architectures. The name program-based branch prediction is given to
static branch prediction techniques that base their prediction on a program's structure. In
this article, we investigate a new approach to program-based branch prediction that uses a
body of existing programs to predict the branch behavior in a new program. We call this
approach to program-ba ...

Keywords: branch prediction, decision trees, machine learning, neural networks,
performance evaluation, program optimization

4 Content analysis: Supporting timeliness and accuracy in distributed real-time content-based video analysis

Viktor S. Wold Eide, Frank Eliassen, Ole-Christoffer Granmo, Olav Lysne

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available: pdf(339.39 KB)   Additional Information: full citation, abstract, references, citings, index terms

Real-time content-based access to live video data requires content analysis applications that are able to process the video data at least as fast as the video data is made available to the application and with an acceptable error rate. Statements as this express quality of service (QoS) requirements to the application. In order to provide some level of control of the QoS provided, the video content analysis application must be scalable and resource aware so that requirements of timeliness and ac ...

Keywords: QoS and resource management, event-based communication, parallel processing, real-time video content analysis, task graph scheduling

5 Data mining with sparse grids using simplicial basis functions

Jochen Garcke, Michael Griebel

August 2001 **Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(808.88 KB)   Additional Information: full citation, abstract, references, citings, index terms

Recently we presented a new approach [18] to the classification problem arising in data mining. It is based on the regularization network approach but, in contrast to other methods which employ ansatz functions associated to data points, we use a grid in the usually high-dimensional feature space for the minimization process. To cope with the curse of dimensionality, we employ sparse grids [49]. Thus, only $O(hn^{-1}n^{d-1})$ instead of ...

Keywords: approximation, classification, combination technique, data mining, simplicial discretization, sparse grids

6 A review of vessel extraction techniques and algorithms

Cemil Kirbas, Francis Quek

June 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 2

Full text available: pdf(8.06 MB)   Additional Information: full citation, abstract, references, index terms

Vessel segmentation algorithms are the critical components of circulatory blood vessel analysis systems. We present a survey of vessel extraction techniques and algorithms. We put the various vessel extraction approaches and techniques in perspective by means of a classification of the existing research. While we have mainly targeted the extraction of blood vessels, neurosvascular structure in particular, we have also reviewed some of the segmentation methods for the tubular objects that show ...

Keywords: Magnetic resonance angiography, X-ray angiography, medical imaging, neurovascular, vessel extraction

7 Reports from related meetings: Interface '99: a data mining overview

Arnold Goodman

January 2000 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2

Full text available: 📄 pdf(851.62 KB)   Additional Information: full citation, abstract, references

This personal overview of Interface '99 is intended to communicate its meaning and relevance to SIGKDD, as well as provide valuable information on trends within the Interface for data miners seeking to learn more about statistics. In addition, it is the newest link in a bridge between the Interface and KDD begun by References 2-4 and the sessions on KDD at Interface '98 and Interface '99.

Keywords: review of Interface'99 conference, statistics

8 Experiments on multistrategy learning by meta-learning
Philip K. Chan, Salvatore J. Stolfo
December 1993 **Proceedings of the second international conference on Information and knowledge management**
Full text available: 📄 pdf(1.05 MB)   Additional Information: full citation, references, citings, index terms

9 Computing curricula 2001
September 2001 **Journal on Educational Resources in Computing (JERIC)**
Full text available: 📄 pdf(613.63 KB)
              📄 html(2.78 KB)   Additional Information: full citation, references, citings, index terms

10 High performance data mining (tutorial PM-3)
Vipin Kumar, Mohammed Zaki
August 2000 **Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: 📄 pdf(8.06 MB)   Additional Information: full citation, references, index terms

11 MetaCost: a general method for making classifiers cost-sensitive
Pedro Domingos
August 1999 **Proceedings of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining**
Full text available: 📄 pdf(1.21 MB)   Additional Information: full citation, references, citings, index terms

12 The KDD process for extracting useful knowledge from volumes of data
Usama Fayyad, Gregory Piatetsky-Shapiro, Padhraic Smyth
November 1996 **Communications of the ACM**, Volume 39 Issue 11
Full text available: 📄 pdf(523.49 KB)   Additional Information: full citation, references, citings, index terms

13 The Sample Complexity of Exploration in the Multi-Armed Bandit Problem
Shie Mannor, John N. Tsitsiklis
December 2004 **The Journal of Machine Learning Research**, Volume 5
Full text available: 📄 pdf(256.63 KB)   Additional Information: full citation, abstract, index terms

We consider the multi-armed bandit problem under the PAC ("probably approximately

correct") model. It was shown by Even-Dar et al. (2002) that given n arms, a total of O $((n/\varepsilon^2)\log(1/\delta))$ trials suffices in order to find an ε-optimal arm with probability at least $1-\delta$. We establish a matching lower bound on the expected number of trials under any sampling policy. We furthermore generalize the lower bound, and show an explicit dependence on ...

14 Selected AI-Related Dissertations

July 1989 **ACM SIGART Bulletin**, Issue 109

Full text available: pdf(1.30 MB)   Additional Information: full citation, abstract, references

The following are citations selected by title and abstract as being related to AI, resulting from a computer search, using the BRS Information Technologies retrieval service, of the Dissertation Abstracts International (DAI) database produced by University Microfilms International.The online file includes abstracts, which are not published in this listing, but the citations below do include the DAI reference for finding the abstract in the published DAI. Other elements of the citation are author ...

15 Book reviews

September 2001 **intelligence**, Volume 12 Issue 3

Full text available: pdf(85.17 KB) html(36.51 KB)   Additional Information: full citation, references, index terms

16 Successful customer relationship management in financial applications (tutorial PM-1)

Steve Gallant, Gregory Piatesky-Shapiro, Dorian Pyle

August 2000 **Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**

Full text available: pdf(6.10 MB)   Additional Information: full citation, index terms

17 Computer science and bioinformatics

Jacques Cohen

March 2005 **Communications of the ACM**, Volume 48 Issue 3

Full text available: pdf(102.10 KB) html(30.40 KB)   Additional Information: full citation, abstract, references, index terms

In barely half a century computer science has grown from infancy to maturity. Employment in computer science was assured until a few years ago. Today, however, like in the 1960s, when demand for physicists waned, computer scientists are eager to explore new possibilities in promising fields. Biology and its related disciplines like bioinformatics are at the top of the list.

18 Computing as a discipline

D. E. Comer, David Gries, Michael C. Mulder, Allen Tucker, A. Joe Turner, Paul R. Young

February 1989 **Communications of the ACM**, Volume 32 Issue 1

Full text available: pdf(1.68 MB)   Additional Information: full citation, abstract, references, citings, index terms

The final report of the Task Force on the Core of Computer Science presents a new intellectual framework for the discipline of computing and a new basis for computing curricula. This report has been endorsed and approved for release by the ACM Education Board.

19 Simulation optimization: methods and applications

Yolanda Carson, Anu Maria

December 1997 **Proceedings of the 29th conference on Winter simulation**

Full text available: ⬛ pdf(1.04 MB)   Additional Information: full citation, references, citings, index terms

20 The knowledge grid
Mario Cannataro, Domenico Talia
January 2003 **Communications of the ACM**, Volume 46 Issue 1

Full text available: ⬛ pdf(109.40 KB)   Additional Information: full citation, abstract, references, citings, index
⬛ html(26.74 KB)   terms

Designing, building, and implementing an architecture for distributed knowledge discovery.

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21 Special issue on knowledge representation
Ronald J. Brachman, Brian C. Smith
February 1980 **ACM SIGART Bulletin**, Issue 70

Full text available: 📄 pdf(13.13 MB)　　Additional Information: full citation, abstract

> In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

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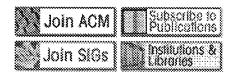**Recently loaded issues and proceedings:**
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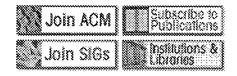
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1 Posters and Short Papers: LinStar texture: a fuzzy logic CBIR system for textures   ■
Hsin-Chih Lin, Chih-Yi Chiu, Shi-Nine Yang
October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Full text available: 📄 pdf(8.40 MB)   Additional Information: full citation, abstract, references, index terms

In this study, we propose a fuzzy logic CBIR system for textures, named LinStar Texture (i.e., Linguistic Star for Textures). The proposed system consists of two major phases, including database creation and query comparison. In the database creation phase, six Tamura features are extracted to describe each texture image in the database. A term set on each Tamura feature is generated through a fuzzy clustering algorithm so that degrees of appearance for the feature can be interpreted as five lin ...

Keywords: content-based image retrieval (CBIR), fuzzy clustering, linguistic term, semantic gap, tamura feature, term set

2 Dynamic remote memory acquisition for parallel data mining on ATM-connected PC cluster   ▬
Masato Oguchi, Masaru Kitsuregawa
May 1999 **Proceedings of the 13th international conference on Supercomputing**

Full text available: 📄 pdf(955.02 KB)   Additional Information: full citation, references, citings, index terms

3 Demonstrations (video): interactions beyond the mouse: Welbo: an embodied conversational agent living in mixed reality space   ▬
Mahoro Anabuki, Hiroyuki Kakuta, Hiroyuki Yamamoto, Hideyuki Tamura
April 2000 **CHI '00 extended abstracts on Human factors in computing systems**

Full text available: 📄 pdf(272.19 KB)   Additional Information: full citation, abstract, references

This paper introduces a new type of anthropomorphic agent that lives in a 3D space where the real and virtual worlds are seamlessly merged. In this mixed reality (MR) space, people wearing a see-through head-mounted display can interact with both physical and virtual objects in real time. In this type of MR space, an embodied conversational agent, named "Welbo," is implemented to study how agent technology contributes. This agent has several unique features, compared with the conventional deskto ...

Keywords: anthropomorphic agent, augmented reality, human interface design, mixed

reality, multi-modal interface

4 <u>Hierarchical microprogram generating system</u>
Eiji Tamura, Mario Tokoro
November 1979 **ACM SIGMICRO Newsletter , Proceedings of the 12th annual workshop on Microprogramming**, Volume 10 Issue 4

Full text available: pdf(1.04 MB)   Additional Information: <u>full citation, abstract, references, citings, index terms</u>

A general purpose microprogram generating system has been developed to compose, together with a hardware/microprogram debugger, a general purpose development support system for LSI Processor Modules such as Am2900, MMI6700, and/or MACROLOGIC. The microprogram generator, designed to be applicable to a wide variety of microinstruction sets from vertical to horizontal including sophisticated control schemes like pipelining, has a three-level hierarchical structure. The lowest level generator i ...

5 <u>Capability of current supercomputers for the computational fluid dynamics</u>
K. Fujii, Y. Tamura
August 1989 **Proceedings of the 1989 ACM/IEEE conference on Supercomputing**

Full text available: pdf(1.21 MB)   Additional Information: <u>full citation, abstract, references, index terms</u>

The computer code named LANS3D, one of the representative Navier-Stokes codes in Japan, is taken as a example and the capability of the current CFD technology is discussed. This code was developed for the numerical simulation of high-Reynolds number compressible flows. The algorithm used in this code and how it has been improved so far explain two important aspects of the computational fluid dynamics (CFD) codes: efficiency and accuracy. Some of the application examples show the cap ...

6 <u>A virtual memory system for picture processing</u>
Ben Tsutom Wada
May 1984 **Communications of the ACM**, Volume 27 Issue 5

Full text available: pdf(913.52 KB)   Additional Information: <u>full citation, abstract, references, index terms</u>

A virtual memory system designed specifically for picture processing, Raster Handler 2 provides programs with efficient access to pixels. It features square partition of images, imbalanced allocation of frames, and nondemand page replacement. RH2 is implemented in software and incorporates a prepaging algorithm designed specifically for picture processing.

Keywords: fault rate function, nondemand page replacement, picture processing, special-purpose memory hierarchy, virtual array

7 <u>Simulation-based constraint generation with applications to optimization of logistic system design</u>
Susumu Morito, Jun Koida, Tsukasa Iwama, Masanori Sato, Yosiaki Tamura
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--- a bridge to the future - Volume 1**

Full text available: pdf(352.16 KB)   Additional Information: <u>full citation, references, citings, index terms</u>

8 <u>Probability models for genome rearrangement and linear invariants for phylogenetic inference</u>
David Sankoff, Mathieu Blanchette

April 1999 **Proceedings of the third annual international conference on Computational molecular biology**

Full text available: pdf(1.04 MB)   Additional Information: full citation, references, citings, index terms

9 VideoQ: an automated content based video search system using visual cues

Shih-Fu Chang, William Chen, Horace J. Meng, Hari Sundaram, Di Zhong
November 1997 **Proceedings of the fifth ACM international conference on Multimedia**

Full text available: pdf(1.67 MB)   Additional Information: full citation, references, citings, index terms

10 Video parsing, retrieval and browsing: an integrated and content-based solution

H. J. Zhang, C. Y. Low, S. W. Smoliar, J. H. Wu
January 1995 **Proceedings of the third ACM international conference on Multimedia**

Full text available: htm(51.17 KB)   Additional Information: full citation, references, citings, index terms

Keywords: database, multimedia, video browsing, video indexing, video parsing, video retrieval

11 Some scheduling techniques and an easily schedulable horizontal architecture for high performance scientific computing

B. R. Rau, C. D. Glaeser
December 1981 **ACM SIGMICRO Newsletter , Proceedings of the 14th annual workshop on Microprogramming,** Volume 12 Issue 4

Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, citings, index terms

Horizontal architectures are attractive for cost-effective, high performance scientific computing. They are, however, very difficult to schedule. Consequently, it is difficult to develop compilers that can generate efficient code for such architectures. The polycyclic architecture has been developed specifically to make the task of scheduling easy. As a result, it has been possible to develop a powerful scheduling algorithm that yields optimal and near-optimal schedules for iterative comput ...

12 Parallel database processing on a 100 Node PC cluster: cases for decision support query processing and data mining

Takayuki Tamura, Masato Oguchi, Masaru Kitsuregawa
November 1997 **Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available: pdf(157.74 KB)   Additional Information: full citation, abstract, references, citings

We developed a PC cluster system consists of 100 PCs. Each PC employs the 200MHz Pentium Pro CPU and is connected with others through an ATM switch. We picked up two kinds of data intensive applications. One is decision support query processing. And the other is data mining, specifically, association rule mining.As a high speed network, ATM technology has recently come to be a de facto standard. While other high performance network standards are also available, ATM networks are widely used from ...

13 Knowledge-based optimization in Prolog compiler

Naoyuki Tamura
November 1986 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available: pdf(326.33 KB)   Additional Information: full citation, references, citings, index terms

14 A very fast prolog compiler on multiple architectures
Toshiaki Kurokawa, Naoyuki Tamura, Yasuo Asakawa, Hideaki Komatsu
November 1986 **Proceedings of 1986 ACM Fall joint computer conference**

Full text available: pdf(497.63 KB)   Additional Information: full citation, references, citings, index terms

15 A text input front-end processor as an information access platform
Shinichi Doi, Shin-ichiro Kamei, Kiyoshi Yamabana
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 1 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1**

Full text available: pdf(648.02 KB)
Publisher Site   Additional Information: full citation, abstract, references

This paper presents a practical foreign language writing support tool which makes it much easier to utilize dictionary and example sentence resources. Like a Kana-Kanji conversion front-end processor used to input Japanese language text, this tool is also implemented as a front-end processor and can be combined with a wide variety of applications. A morphological analyzer automatically extracts key words from text as it is being input into the tool, and these words are used to locate information ...

16 Web community mining and web log mining: commodity cluster based execution
Masaru Kitsuregawa, Masashi Toyoda, Iko Pramudiono
January 2002 **Australian Computer Science Communications , Proceedings of the thirteenth Australasian conference on Database technologies - Volume 5 CRPITS '02**, Volume 24 Issue 2

Full text available: pdf(801.13 KB)   Additional Information: full citation, abstract, references, citings, index terms

The emergence of WWW has drawn new frontiers for database research. Web mining has become a hot topic since WWW rapid expansion rate and chaotic nature have exposed some technical challenges as well as interesting discoveries. In general web mining can be classified into web structure mining and web usage mining. Here we introduce two applications of web mining, first from mining the web structure we identify web communities, and the second we mine web usage of mobile internet users on location ...

Keywords: PC cluster, parallel mining, web community, web mining

17 Papers: A method for abstracting newspaper articles by using surface clues
Hideo Watanabe
August 1996 **Proceedings of the 16th conference on Computational linguistics - Volume 2**

Full text available: pdf(583.81 KB)   Additional Information: full citation, abstract, references

This paper describes a system which automatically creates an abstract of a newspaper article by selecting important sentences of a given text. To determine the importance of a sentence, several superficial features are considered, and weights for features are determined by multiple-regression analysis of a hand processed corpus.

18
Pipelined OR-parallelism architecture for parallel execution of Prolog

D. Sarma, C. P. Wu

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available: pdf(1.14 MB)   Additional Information: full citation, abstract, references, index terms

This paper describes a parallel architecture to implement PROLOG. The architecture considered here takes advantage of the OR-parallelism inherent in the language. In usual OR-parallelism architecture, multiprocessors are used to work on a relation of the database at the same time. In the pipeline OR-parallelism, a relation of the database is processed by only one of the multiprocessors at one time. As soon as a solution is found, the resolution goes forward and works on the goal down the go ...

19 An interactive translation support facility for non-professional users

Yamabana Kiyoshi, Muraki Kazunori, Kamei Shin-ichiro, Satoh Kenji, Doi Shinichi, Tamura Shinko

March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Full text available: pdf(847.50 KB)
                Publisher Site

Additional Information: full citation, abstract, references, citings

We present an interactive translation method to support non-professional users to write an original document. The method, combining dictionary lookup function and user-guided stepwise interactive machine translation, allows the user to obtain clear result with an easy operation. We implemented the method as an English writing support facility that serves as a translation support front-end to an arbitrary application.

20 Issues of the design of a low level microprogramming language for global microcode compaction

Michael D. Poe, Ross Goodell, Simon Steely

December 1981 **ACM SIGMICRO Newsletter , Proceedings of the 14th annual workshop on Microprogramming,** Volume 12 Issue 4

Full text available: pdf(599.91 KB)   Additional Information: full citation, abstract, references, citings, index terms

Microcode compaction, or packing, is the process of assigning microoperations to microwords so that the minimum number of microwords and execution time is used by the microprogram. The techniques for global microcode compaction have been described elsewhere (see below). This paper describes a proposal for an intermediate level language approach to compilation which allows machine independent global compaction. We will call the program which does this compaction the packer. This work comes f ...

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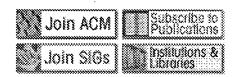
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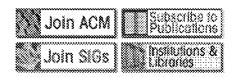 - Frequently Asked Questions (FAQ's)

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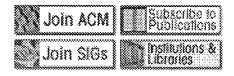**Recently loaded issues and proceedings:**
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